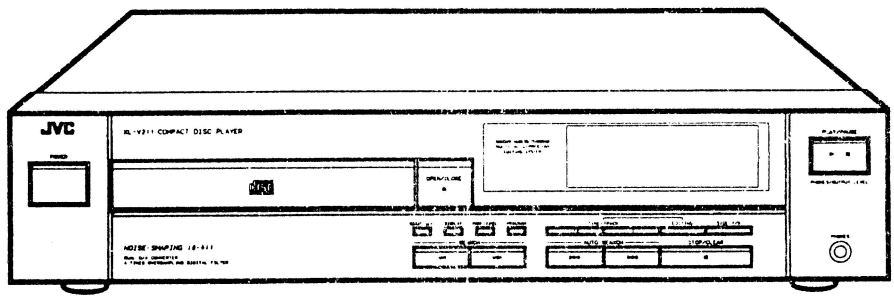
XL-V211BK

JVC

# MODEL No. XL-V211BK

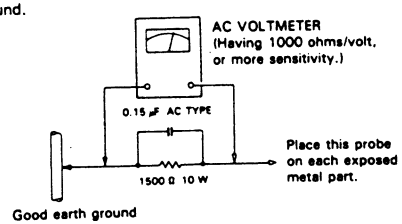


COMPACT disc DIGITAL AUDIO

Jan. 1989

# Safety Precautions

1. The design of this product contains special hardware and many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.
2. Alterations of the design or circuitry of the product should not be made. Any design alterations of the product should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.
3. Many electrical and mechanical parts in the product have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the Parts List of Service Manual. Electrical components having such features are identified by shading on the schematics and by ( ⚠ ) on the Parts List in the Service Manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the Parts List of Service Manual may create shock, fire, or other hazards.
4. The leads in the products are routed and dressed with ties, clamps, tubings, barriers and the like to be separated from live parts, high temperature parts, moving parts and/or sharp edges for the prevention of electric shock and fire hazard. When service is required, the original lead routing and dress should be observed, and it should be confirmed that they have been returned to normal, after re-assembling.
5. Leakage current check (Electrical shock hazard testing)
   After re-assembling the product, always perform an isolation check on the exposed metal parts of the product (antenna terminals, knobs, metal cabinet, screw heads, headphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.
   Do not use a line isolation transformer during this check.
   - Plug the AC line cord directly into the AC outlet. Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground. Any leakage current must not exceed 0.5 mA AC (r.m.s.).
   - Alternate check method
     Plug the AC line cord directly into the AC outlet. Use an AC voltmeter having 1,000 ohms per volt or more sensitivity in the following manner. Connect a 1,500 Ω 10 W resistor paralleled by a 0.15 μF AC-type capacitor between an exposed metal part and a known good earth ground.
     Measure the AC voltage across the resistor with the AC voltmeter.
     Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75 V AC (r.m.s.). This corresponds to 0.5 mA AC (r.m.s.).


AC VOLTMETER
(Having 1000 ohms/volt, or more sensitivity.)
0.15 μF AC TYPE
1500 Ω 10 W
Place this probe on each exposed metal part.
Good earth ground

# Warning

1. This equipment has been designed and manufactured to meet international safety standards.
2. It is the legal responsibility of the repairer to ensure that these safety standards are maintained.
3. Repairs must be made in accordance with the relevant safety standards.
4. It is essential that safety critical components are replaced by approved parts
5. If mains voltage selector is provided, check setting for local voltage.





# Important for Laser Products

1. CLASS 1 LASER PRODUCT
2. DANGER: Invisible laser radiation when open and interlock failed or defeated. Avoid direct exposure to beam.
3. CAUTION: There are no serviceable parts inside the Laser Unit.
4. CAUTION: Do not disassemble the Laser Unit. Replace the complete Laser Unit if it malfunctions.
5. CAUTION: The compact disc player uses invisible laser radiation and is equipped with safety switches which prevent emission of radiation when the drawer is open and the safety interlocks have failed or are defeated. It is dangerous to defeat the safety switches.
6. CAUTION: If safety switches malfunction, the laser is able to function.
7. CAUTION. Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

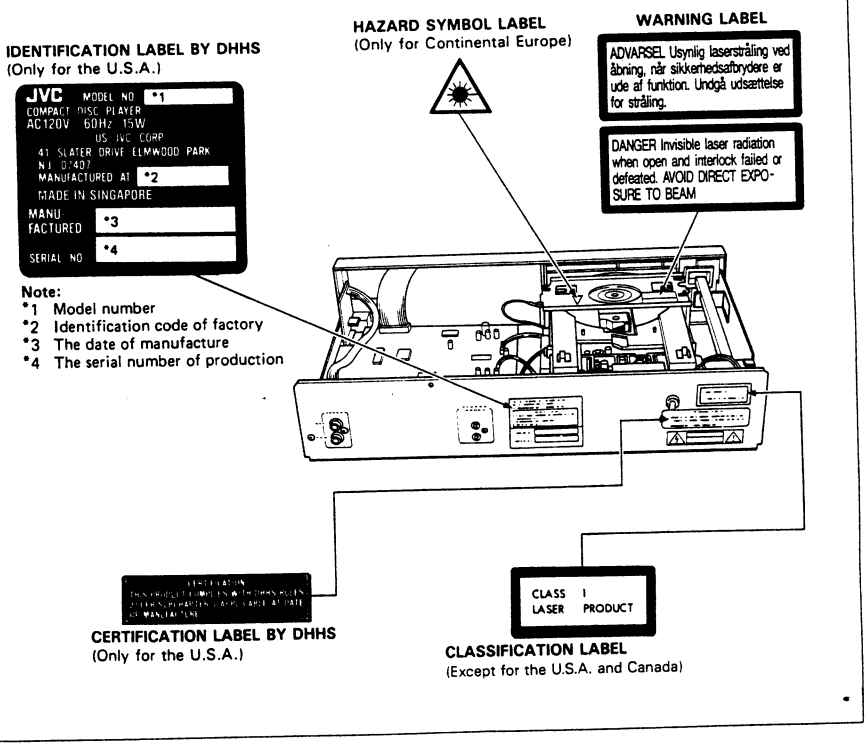
**VARNING:** OSYNLIG LASERSTRÅLNING UPPSTÅR VID KOMPONENTENS ÖPPNING NÄR SÄKERHETSBRYTAREN ÄR FRÅNSLAGEN.

**ADVARSEL:** USYNLIG LASERSTRÅLING VED ÅBNING, NÅR SIKKERHEDSAFBRYDERE ER UDE AF FUNKTION.
UNDGÅ UDSÆTTELSE FOR STRÅLING.

**ADVARSEL:** USYNLIG LASERSTRÅLING VED ÅPNING NÅR SIKKERHETSBRYTEREN ER AVSLOTT.
UNNGÅ UTSETTELSE FOR STRÅLING.

**VAROITUS:** LAITE SISÄLTÄÄ LASERDIODIN, JOKA LÄHETTÄÄ (NÄKYMÄTÖNTÄ) SILMILLE VAARALLISTA LASERSÄTEILYÄ.

## REPRODUCTION AND POSITION OF LABELS


IDENTIFICATION LABEL BY DHHS
(Only for the U.S.A.)
JVC MODEL NO *1
COMPACT DISC PLAYER
AC120V 60Hz 15W
US JVC CORP
41 SLATER DRIVE ELMWOOD PARK
N.J. 07407
MANUFACTURED AT *2
MADE IN SINGAPORE
MANU-FACTURED *3
SERIAL NO *4
Note:
*1 Model number
*2 Identification code of factory
*3 The date of manufacture
*4 The serial number of production
HAZARD SYMBOL LABEL
(Only for Continental Europe)
WARNING LABEL
ADVARSEL Usynlig laserstråling ved åbning, når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling.
DANGER Invisible laser radiation when open and interlock failed or defeated. AVOID DIRECT EXPOSURE TO BEAM
CERTIFICATION LABEL BY DHHS
(Only for the U.S.A.)
CLASS 1
LASER PRODUCT
CLASSIFICATION LABEL
(Except for the U.S.A. and Canada)

## TROUBLESHOOTING

**What appears to be a malfunction may not always be serious.**
**Make sure first..**
**Although the disc is inserted in the CD player, MULTI MODE DISPLAY shows no data.**
Is the disc placed upside down?
— Place the disc on the disc tray with its label side up.
**Selections cannot be programmed.**
Is the "PROGRAM" indicator lit?
— Press the [PROGRAM] button.
**The remote control unit does not function.**
Are the batteries fresh?
— Replace the batteries with new ones.
**The sound is intermittent and is harsh to the ear.**
Is the disc dirty?
— Wipe off the disc surface with a soft cloth.
Is the disc scratched?
— Replace the disc with a new one.
Is the disc warped?
— Replace the disc with a new one.

## SPECIFICATIONS

| | |
|---|---|
| System | : Compact disc player |
| Signal detection system | : Non-contact optical system |
| Number of channels | : 2 channels |
| Frequency response | : 2 Hz—20,000 Hz |
| Dynamic range | : 96 dB (1 kHz) |
| Signal/noise ratio | : 100 dB (at digital 0) |
| Channel separation | : 90 dB (1 kHz) |
| Harmonic distortion | : 0.004% (1 kHz) |
| Wow and flutter | : Less than measurable limit |
| Output level | : 2.0 Vrms (full scale) |
| Number of program steps | : 32 steps |
| Dimensions | : 435(W) × 92(H) × 289(D) mm (17-3/16" × 3-5/8" × 11-7/16") |
| Weight | : 3.5 kg (7.9 lbs) |
| Accessories | : Signal cord (1 m • 3.28 ft) .....1<br>Remote cable (1 m • 3.28 ft) .....1<br>For XL-V311BK<br>Remote control unit (RM-SX311U) .....1<br>Battery (AA, R6, UM-3) .....2 |

Design and specifications subject to change without notice.

### POWER SPECIFICATIONS

| Areas | Line Voltage & Frequency | Power Consumption |
|---|---|---|
| U.S.A. | AC 120 V~, 60 Hz | 15 watts |
| Canada | | |
| Continental Europe | AC 220 V~, 50 Hz | |
| U.K. | AC 240 V~, 50 Hz | |
| Australia | | |
| Other areas | AC 110-127/220-240 V~selectable, 50/60 Hz | |





## BEFORE USE

Set the voltage selector to your local line voltage. (Fig. 6)
When this equipment is used in an area where the supply voltage is different from the preset voltage, reset the voltage selector to the correct position.
(Not provided on units for U.S.A., Canada, Australia, U.K. and Continental Europe.)

**CHECKING YOUR LINE VOLTAGE (Except for U.S.A., Canada, Australia, U.K. and Continental Europe.)**
Before inserting the power plug, please check this setting to see that it corresponds with the line voltage in your area. If it doesn't be sure to adjust the voltage selector switch to the proper setting before operating this equipment. The voltage selector switch is located on the rear panel.

**CAUTION:**
- Before setting the "Voltage selector switch" to proper voltage disconnect the power plug.

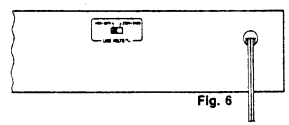


Fig. 6

## CONNECTION DIAGRAM

1. To the input terminal (CD, AUX or TAPE PLAY) of an amplifier. (Do not connect to the PHONO terminals of the amplifier.)
2. To the "COMPU LINK-1/SYNCHRO" terminal of an amplifier or a cassette deck when you are using the COMPU-LINK system. Regarding compatible amplifiers or cassette decks consult your dealer.
   Either one of these two COMPU LINK-1/SYNCHRO terminals can be used.
3. To the wall outlet.

**Notes:**
- **When connecting any component to this unit first set the [POWER] button to off.**
- **Connect the audio plugs firmly.**
- **The synchronized recording is only possible with JVC products which have the COMPU LINK-1/SYNCHRO terminals. For further details, consult your JVC dealer.**

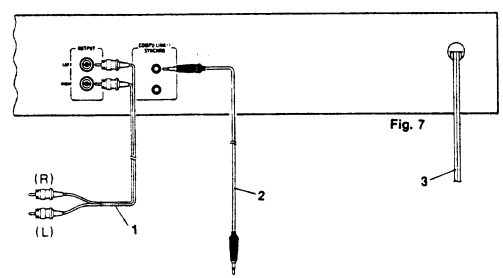



Fig. 7

## COMPU LINK CONTROL SYSTEM

This is a convenient system which was originated and developed by JVC. The following is a brief explanation of its major points.

**Automatic Source Selection**
When the provided remote cables are used for connecting this unit to other components which have COMPU LINK-1/SYNCHRO terminals, the switch-over of all system components is possible with simple one-touch of the source selector button of the JVC amplifier or receiver. By doing this, the corresponding component will start playing automatically. The source select button of the remote control unit or the select button of the desired component can also be used for this purpose.
When the components have been switched over, the previously used component will stop playing within five seconds.

**Synchronized Recording**
Synchronized recording refers to the process in which the cassette deck starts recording in synchronism with the CD player. Perform the synchronized recording as follows.
1. Set the cassette deck to the REC/PAUSE mode in accordance with the procedures in the instructions.
2. If you want programmed recordings, program the desired selections in any order you wish to hear them.
3. Press the [PLAY ( ▶ )] button of the CD player. By so doing, the cassette deck is placed in the record mode and synchronized with the CD player for recording. Synchronized recording thus can be made possible.

**Notes:**
- **Synchronized recording stops automatically when the CD player stops playing.**
- **To cancel synchronized recording, press the [STOP ( ■ )] button of the CD player or cassette deck.**
- **During synchronized recording, the operation of the [PLAY ( ▶ )] button is interlocked with the cassette deck.**
- **When the REC/PAUSE mode is set by pressing [PAUSE ( ❚❚ )] button after pressing the [REC ( ○ )] and [PLAY ( ▶ )] buttons simultaneously, synchronized recording is not possible. For details, refer to the instructions of the cassette deck.**
- **Abnormal operation will result if the power supply of the component(s) is interrupted. If this happens, press the select button again to restart.**
- **Ensure that the COMPU LINK-1/SYNCHRO terminals of the individual components are connected with the provided remote cables. Also be sure to fully read the instructions for each component.**

## FRONT PANEL

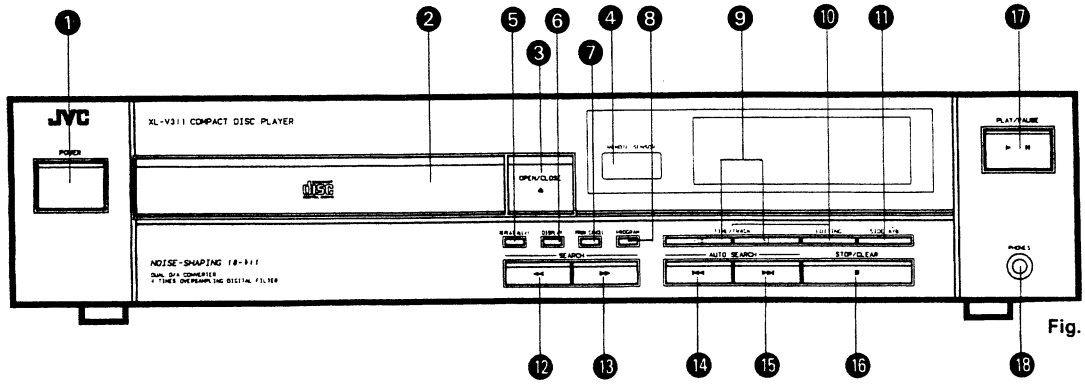



Fig. 1

## MULTI MODE DISPLAY

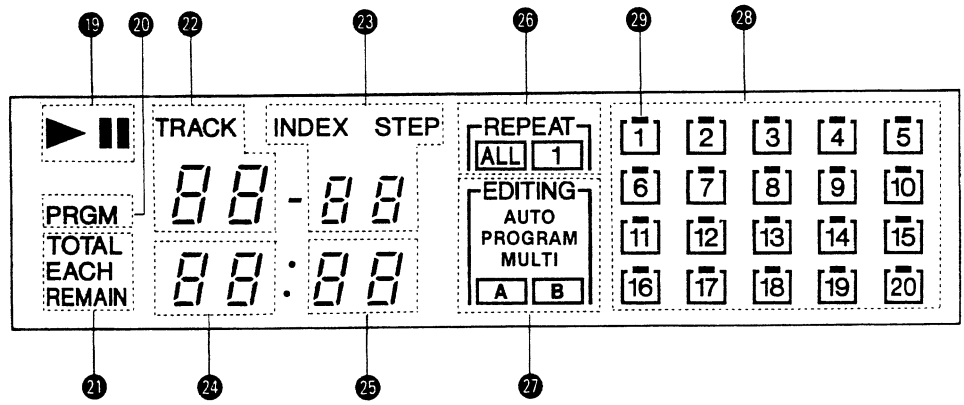



Fig. 2

# DESCRIPTION AND FUNCTIONS

❶ **POWER**
Press to turn on the power, the display will light. Press again to turn the power off. The display will go off.

❷ **Disc Platter**
Load the disc to be played.

**Notes:**
- **While the disc platter is moving in or out, do not turn the power off or push or pull on the disc platter by hands etc., This could cause a mulfunction.**

❸ **OPEN/CLOSE ( ⏏ )**
Press to move the disc platter in and out. Press once and the disc paltter will move out; now you can load a disc. Press again to move the platter back in. The disc is now ready to be played.
If it is pressed during play, play will be interrupted. And the program will be erased from memory and the disc paltter will come out.

❹ **REMOTE SENSOR (XL-V311)**

❺ **REPEAT ALL/1**
Press this button to play one selection, all the selections or the programmed selections of the disc repeatedly.
When desiring all the selections, press the button once. "ALL" and "REPEAT" will be lit in the display window. When desiring one selection, press the button once again. "1" and "REPEAT" will be lit in the display window. To release this repeat play, press the [REPEAT ALL/1] button again.

❻ **DISPLAY**
This button changes the time data in the display window. Each time this button is pressed, the indication changes as follows:
For further details, see "DISPLAY" on page 7.

❼ **PRGM CANCEL**
Press this button to cancel a programmed tune, Each time it is pressed, one tune is cancelled starting from the last tune.

❽ **PROGRAM**
To program the sequence of the selections to be played, press this button while the CD player is in the standby mode when the disc platter is not loaded. The PROGRAM indicator lights and up to 32 selections can be programmed.

❾ **TIME/TRACK ( [+10], [+1] )**
To designate the desired track numbers or establish the time interval during the tape editing, use these buttons.

❿ **EDITING**
When editing the disc data in the cassette tape, the time interval can be established in advance in accordance with the tape length. When this button is pressed, "EDITING" appears in the display window.

⓫ **SIDE A/B**
Use this button to designate the tape side when programming for edit recording.

⓬ **SEARCH ( ◀◀ )***
Press this button while in the play or pause mode to scan backwards. When this button is pressed continuously, the CD player will backward-search slowly for about 3 seconds, and then go into a higher speed search.

⓭ **SEARCH ( ▶▶ )***
Press this button while in the play or pause mode to scan forward. When this button is pressed continuously, the CD player will forward-search slowly for about 3 seconds and then go into a higher speed search.
* When pressing the [SEARCH ( ▶▶ )] or [SEARCH ( ◀◀ )] button during play, you can hear slight sound reproduction. With this sound you can monitor your selections.

⓮ **AUTO SEARCH ( ⏮ )**
Press this button to locate the start of the current selection or to go back to the previous selection during play. Play will go back one selection each time the button is pushed. If the button is held down, play will continue to go back one selection at a time until the button is released.

⓯ **AUTO SEARCH ( ⏭ )**
Press to go to the start of the next selection. Every time this button is pressed, the pickupgoes forward by one selecion. Holding the button down moves the pickup forward continuously.

⓰ **STOP/CLEAR ( ■ )**
Press to stop play. A few seconds after the disc has stopped rotating, the player goes into the standby mode with the track number "1" shown in the display window. The player is then ready to play. And press twice, the programmed tunes are erased.

⓱ **PLAY ( ▶ )/PAUSE ( ⏸ )**
Press to start play. If the disc platter is out, press this button, and the disc platter will then move in and play will start (without pressing the [OPEN/CLOSE ( ⏏ )] button.)
Press this button again to suspend play temporarily. The optical pickup stops and the disc continues to rotate. This status is called the pause mode.

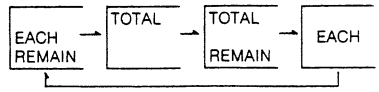
⓲ **PHONES**
Insert the headphones plug into this jack.

# DISPLAY (MULTI MODE DISPLAY)

⓳ **PLAY/PAUSE indicators**
▶ : Lights during play.
⏸ : Lights in the pause mode.

⓴ **PRGM**
Lights when selections are ready to be programmed.

㉑ **TOTAL/EACH/REMAIN**
Each time the [DISPLAY] button is pressed, the indication changes in the following order.




EACH : Shows elapsed time of each selection.
EACH REMAIN : Shows the remaining playing time of each selection. (Up to 31st selection can be displayed.)
TOTAL : Shows the elapsed playing time of the disc or the programmed selections.
TOTAL REMAIN : Shows the remaining playing time of the disc or the programmed selections. (Up to 31st selection can be displayed.)

㉒ **TRACK**
Lights when all the selections of the disc are shown.
Shows the programmed selection numbers or the current selection number of the disc during programmed play.

㉓ **INDEX/STEP**
INDEX : Shows index numbers.
STEP : Shows the numbers of memory steps of the programmed selections.

㉔ **Time indicator (MINUTE)**
Shows the total playing time, elapsed playing time, or remaining playing time in minutes. (Shows nothing when the total number of selections is greater than 32.)

㉕ **Time indicator (SECOND)**
Shows the total playing time, elapsed playing time, or the remaining playing time in seconds.

㉖ **REPEAT**
Lights when the repeat play is ready.
ALL : Lights when the repeat play of all the selections is entered.
1 : Lights when the repeat play of only one selection is entered.

㉗ **EDITING**
Lights during editing recording.
AUTO : Lights during Auto Edit Recording.
PROGRAM: Lights during Program Edit Recording.
MULTI : Lights during Multi Edit Recording.
A : Lights when the A side of the tape is designated.
B : Lights when the B side of the tape is designated.

㉘ **Program Chart**
This chart indicates the number of each selection of the disc.
When a selection is programmed, " □ " mark which surrounds the selection number lights.

㉙ **— mark**
This mark (red) indicates the number of the current selection. Thus it can be used to scan or program the desired selection.

# REMOTE CONTROL UNIT

(Provided for XL-V311BK only)

- **How to install batteries**

1. Remove the rear cover of the remote control unit by pressing down on it with your thumb and simultaneously pulling it backwards, as shown in Fig. 8.
2. Install batteries (AA R6 UM-3) as shown in Fig. 9.
   Be sure batteries are installed with correct polarity, (+), and (−).
3. Reinstall the rear cover of the remote control unit. Slide the rear cover back as shown in Fig. 10.

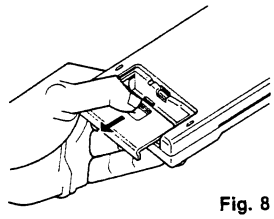


Fig. 8

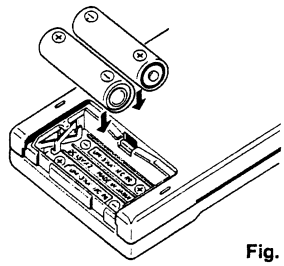


Fig. 9

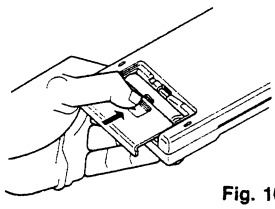


Fig. 10

- **How to operate**

The remote control range is approximately 7 meters (23 ft.).
Pointing the remote control on an angle to the receiver, will reduce the useful distance of the remote control.
Use gentle but firm pressure when pressing the remote control buttons.

- **Batteries**

Incorrect use of batteries can cause corrosion or damage. Note the following points to lengthen battery life.

1. Install batteries observing the correct polarity, (+) and (−).
2. Do not use new and old batteries simultaneously.
3. Batteries with similar shapes may have different voltage ratings. Be sure to use the correct batteries.
4. Remove batteries from the remote control until if it will not be used for a long period of time.

**Notes:**

- **The lower the temperature, the shorter the battery life.**
- **Battery replacement**

The service life of the batteries depends on the condition of use; the standard life is about one year.
When the batteries become weak, the effective distance of the remote control unit will become shorter. If this happens, replace the batteries with new ones.

**Note:**

- **The provided remote control unit (RM-SX311U) has operating buttons which are basically identical with those of the CD player. The differences are the 10 key operating buttons and [INDEX] button which are not on the CD player.**

**⑳ 10 key operating buttons**
To designate the desired track numbers or establish the time interval during the tape editing, use these buttons. If the desired number is 10 or less, use the [1] ~ [10] buttons. However, to assign a track number greater than 10, use the [+10] button and the [1] ~ [10] buttons.

Examples:

- To assign the 25th track, press the [+10] button twice and then press the [5] button.
- To assign the 30th track, press the [+10] button twice and then press the [10] button.

**㉑ INDEX**
(⟵): To start play from the desired index point, scan backward to the desired index point with this button.
(⟶): To start play from the desired index point, scan forward to the desired index point with this button.

# HOW TO OPERATE

## Preliminary Operation

1. Turn on and adjust components such as an amplifier.
2. Turn on the CD player.
3. Press the [OPEN/CLOSE ( ⏏ )] button to slide the disc platter out.
4. With its label side up, load a disc on the CD player.
5. Press the [OPEN/CLOSE ( ⏏ )] button again to slide the disc platter in.

**Notes:**

- **The display shows the number of tracks and total playing time of the disc for 3 seconds.**
- **You can also close the disc platter by pressing the [PLAY ( ▶ )/PAUSE ( ❚❚ )] button. In such a case, play starts immediately with the first selection of the disc.**

## To Play From the First Selection

Press the [PLAY ( ▶ )/PAUSE ( ❚❚ )] button.

## To Play From Any Desired Selection

1. Designate the desired selection number by the [AUTO SEARCH ( ⏮ , ⏭ )] buttons.
2. Press the [PLAY ( ▶ )/PAUSE ( ❚❚ )] button.

## To Stop Play Temporarily

Press the [PLAY ( ▶ )/PAUSE ( ❚❚ )] button.

**Note:**

- **To continue playing, press the [PLAY ( ▶ )/PAUSE ( ❚❚ )] button again.**

## To Switch Selections During Play

- **To skip to the next selection**
  Press the [AUTO SEARCH ( ⏭ )] button.
- **To skip to the previous selection**

1. Press the [AUTO SEARCH ( ⏮ )] button once and locate the start of the current selection.
2. Immediately after step 1, press the [AUTO SEARCH ( ⏮ )] button again.

## To Repeat Play

- **To repeat all the selections**

1. Press the [REPEAT ALL/1] button once.
2. Press the [PLAY ( ▶ )/PAUSE ( ❚❚ )] button.

- **To repeat one selection**

1. Press the [REPEAT ALL/1] button twice.
2. Designate the desired selection number by the [AUTO SEARCH ( ⏮ , ⏭ )] buttons.
3. Press the [PLAY ( ▶ )/PAUSE ( ❚❚ )] button.

## To Stop Play

Press the [STOP/CLEAR ( ■ )] button.

## To Remove the Disc

Press the [OPEN/CLOSE ( ⏏ )] button.

## To Program Play

1. Press the [STOP/CLEAR ( ■ )] button.
2. Press the [PROGRAM] button.
3. Program one selection with the [TIME/TRACK] ([+10], [+1]) buttons.
4. Press the [PROGRAM] button.

To continue programming other selections, repeat the steps 3 and 4 until all the programming is finished.

5. Press the [PLAY ( ▶ )/PAUSE ( ❚❚ )] button.

**Notes:**

- **A maximum of 32 out of 99 tunes can be selected.**
- **When the programmed play is performed, the selection number programmed first and the total playing time of programmed selections are displayed.**
- **The total playing time display is useful when making recordings from the CD player.**
- **When programming is carried out with the disc platter out, the total playing time of the programmed selections will not be displayed.**
- **When the total playing time of all the selected tunes exceeds 99 minutes and 59 seconds, the time display will be disabled and only the center bars will be displayed.**
- **Pressing the [AUTO SEARCH ( ⏭ )] button when in the programmed play or pause mode causes the unit to skip to the next programmed selection.**

- **To stop temporarily during programmed play, press the [PLAY ( ▶ )/PAUSE ( ❚❚ )] button. Press this button again to restart.**

### To Correct the Program

- **To correct all the program**

1. Press the [STOP/CLEAR ( ■ ) ] button.
2. Start programming again from the beginning.

- **To correct each content of the program**

1. Press the [AUTO SEARCH ( ⏮ )] button to go back to the program which needs to be canceled.
2. Press the [PRGM CANCEL] button.
3. Program one selection with the [TIME/TRACK] ( [+10], [+1] ) buttons.
4. Press the [PROGRAM] button*.
   * Newly programmed selection is added to the last of the program.

### To Check the Program

Press the [AUTO SEARCH ( ⏮ , ⏭ )] button.

### To Perform Synchronized Recording

Synchronized recording is possible by connecting the cassette deck to the COMPU LINK-1/SYNCHRO terminals of the CD player through the remote wire.

1. Press the [REC ( ○ )] and [PAUSE ( ❚❚ )] buttons of the cassette deck.
2. Press the [PLAY ( ▶ )/PAUSE ( ❚❚ )] button of the CD player to start the synchronized recording.

### To Perform Edit Recording

- **Auto Edit Recording**

1. Set a disc and press the [STOP/CLEAR ( ■ )] button.
2. Press the [EDITING] button once.
3. Press the [SIDE A/B] button.
   If it is needed, establish the time interval according to the tape length with the [TIME/TRACK] ( [+10], [+1] ) buttons* before pressing the [SIDE A/B] button.
4. Place the cassette deck in REC PAUSE mode.
   This operation is limited to the units using JVC's COMPU LINK system. For other cassette deck, set the deck in recording status before pressing the [PLAY ( ▶ )/PAUSE ( ❚❚ )] button.
5. Press the [PLAY ( ▶ )/PAUSE ( ❚❚ )] button.
   When the last selection programmed on the A side of the tape ends, the edit recording automatically stops. To record in the other side of the tape, repeat the steps 3, 4 and 5 after turning over the tape.

- **Program Edit Recording**

1. Set a disc and press the [STOP/CLEAR ( ■ )] button.
2. Press the [EDITING] button twice.
3. Press the [SIDE A/B] button.
   If it is needed, establish the time interval according to the tape length with the [TIME/TRACK] ( [+10], [+1] ) buttons* before pressing the [SIDE A/B] button.
4. Designate a selection with the [TIME/TRACK] ( [+10], [+1] ) buttons*.
5. Press the [PROGRAM] button during the track number is blinking.
   When the selection is programmed, the time for it is subtracted from the established time interval and the "REMAIN TIME" is displayed.
6. Repeat the steps 4 and 5 to program other selections.
7. After you finish the programming of the tape press the [SIDE A/B] button.
8. Repeat the steps 4, 5 and 6.
9. Place the cassette deck in REC PAUSE mode.
   This operation is limited to the units using JVC's COMPU LINK system. For other cassette deck, set the deck in recording status.
10. Press the [PLAY ( ▶ )/PAUSE ( ❚❚ )] button to start recording.
    When the last selection programmed on the A side of the tape ends, edit recording automatically stops. To continue edit recording, turn over the tape and then repeat the steps 3, 9 and 10 again.

- **Multi Edit Recording**

1. Set a disc and press the [STOP/CLEAR ( ■ )] button.
2. Press the [EDITING] button three times.
3. Press the [SIDE A/B] button.
   If it is needed, establish the time interval according to the tape length with the [TIME/TRACK] ( [+10], [+1] ) buttons* before pressing the SIDE A/B button.
4. Designate a selection with the [TIME/TRACK] ( [+10], [+1] ) buttons*.
5. Press the [PROGRAM] button during the track number is blinking.
   When the selection is programmed, the time for it is subtracted from the established time interval and the "REMAIN TIME" is displayed.
6. Place the cassette deck in REC PAUSE mode.
   This operation is limited to the units using JVC's COMPU LINK SYSTEM. For other cassette deck, set the deck in recording status before pressing the [PLAY ( ▶ )/PAUSE ( ❚❚ )] button.
7. Press the [PLAY ( ▶ )/PAUSE ( ❚❚ )] button.
   When the last programmed selection ends, recording stops automatically. To continue editing of other discs, set another disc and repeat the steps 4, 5 and 7.
   When the recording of one side of the tape ends, turn over the tape and repeat the steps 3 to 7.
   * To establish the number 30, press the [+10] button three times.
     To establish the number 46, press the [+10] button four times and then [+1] button six times.

**Notes:**

- **When the programming is in excess of the designated time interval, the excess time blinks in the display. In such a case, press the [PRGM CANCEL] button to cancel the last programmed selection.**
- **During the programming, the selections which cannot be recorded in the designated time intervals blink in the program chart.**
- **To cancel the editing status, press the [STOP/CLEAR ( ■ )] button twice.**